

Bird, Patrick

From: Hamjian, Lynne
Sent: Friday, August 23, 2019 2:07 PM
To: Bird, Patrick; Biton, Leiran; Rapp, Steve; Brownell, Sandra
Subject: FW: MassDEP Multipurpose Grant – Ambient Air Monitoring Station in Weymouth Fore River Basin Area

FYI

From: Judge, Robert <Judge.Robert@epa.gov>
Sent: Friday, August 23, 2019 12:54 PM
To: Hamjian, Lynne <Hamjian.Lynne@epa.gov>; Greene, Cynthia <Greene.Cynthia@epa.gov>
Subject: FW: MassDEP Multipurpose Grant – Ambient Air Monitoring Station in Weymouth Fore River Basin Area

fyi

From: Keith, Glenn (DEP) <glenn.keith@state.ma.us>
Sent: Friday, August 23, 2019 12:26 PM
To: Sean Dunn <sean.m.dunn@state.ma.us>; Judge, Robert <Judge.Robert@epa.gov>
Subject: Fwd: MassDEP Multipurpose Grant – Ambient Air Monitoring Station in Weymouth Fore River Basin Area

FYI

Sent from my Verizon Wireless 4G LTE DROID

----- Original Message -----

Subject: MassDEP Multipurpose Grant – Ambient Air Monitoring Station in Weymouth Fore River Basin Area
From: "Lowery, Ann (DEP)" <ann.lowery@mass.gov>
To: "Brady.JenniferL@epa.gov" <Brady.JenniferL@epa.gov>
CC: "McCarthy, Karen" <McCarthy.Karen@epa.gov>, "Simpson, Deneen (DEP)" <deneen.simpson@mass.gov>, "Suuberg, Martin (DEP)" <martin.suuberg@mass.gov>, "Cooper, Stephanie (DEP)" <stephanie.cooper@mass.gov>, "Moran, Gary (DEP)" <gary.moran@mass.gov>, "Kirby, Christine (DEP)" <christine.kirby@mass.gov>, "McCurdy, Steven (DEP)" <steven.mccurdy@mass.gov>, "Keith, Glenn (DEP)" <glenn.keith@mass.gov>

Greetings.

I write on behalf of Commissioner Suuberg to inform you that MassDEP is pleased to accept its allocation of EPA's Fiscal Year 2018-2019 Multipurpose Grant (MPG) to Massachusetts. MassDEP was notified by letter sent on July 31, 2019 of the availability of \$203,234 for the commonwealth, and plans to use these additional resources within its Performance Partnership Grant (PPG) to install and operate an ambient air monitoring station in the Fore River Basin area of Weymouth, Massachusetts.

The Fore River Basin includes an industrialized designated port area in close proximity to residential areas in Weymouth, Quincy, and Braintree, including two Environmental Justice areas in Quincy (Quincy Point and Germantown). Citizens and local officials have expressed concerns about the air quality in the area and the potential effect on public health, given the concentration of industry, dense population and existing health conditions of the community. Sources presenting potential impacts to air quality include power production (Fore River Energy Center, Braintree Electric Light Department), chemical processing (Twin Rivers Technology), chemical waste management services (Clean Harbors),

storage of petroleum products and associated chemicals (Citgo Terminal, Sprague Terminal), wastewater service and recycling (MWRA intermediate pump station, New England Fertilizer Company), and vehicle travel and traffic on Route 3A. In addition, there is an existing natural gas pipeline and metering and regulation station, and a proposed natural gas compressor station.

In 2018, as part of a Health Impact Assessment of the proposed compressor station done in collaboration with the Metropolitan Area Planning Council and the Massachusetts Department of Public Health, MassDEP conducted volatile organic compound monitoring in the area from July through November 2018. The results are summarized in the Health Impact Assessment Report published in January 2019 and are available on MassDEP's website at <https://www.mass.gov/service-details/alconquin-natural-gas-compressor-station-weymouth>. MassDEP has made the siting of a longer-term monitoring station a high priority, and will direct awarded MPG funds toward the installation and operation of a monitoring station. This monitoring station would measure VOCs, nitrogen dioxide, ozone, and fine particulate matter and would provide important information on existing air quality. MassDEP would work closely with EPA to ensure that this monitoring station meets all EPA siting criteria, and MassDEP would seek to include the site into its state-wide ambient air monitoring network through its annual Network Plan submitted to EPA.

As MassDEP and EPA Region I are currently negotiating the terms of its PPA and PPG, MassDEP prefers to add the MPG funds to the PPG. I understand the funds can be added to the Federal Fiscal year 2020 – 2023 agreement that is now being negotiated. A proposed budget for the MPG grant is set out below.

MassDEP Multipurpose Grant Application Budget

Equipment/Supplies/Service	FY20	FY21	FY22	FY23	Total Cost
One-time costs					
Shelter	\$56,000	\$0	\$0	\$0	\$56,000
Shelter installation	\$11,000	\$0	\$0	\$0	\$11,000
Computer	\$2,000	\$0	\$0	\$0	\$2,000
Meteorological Equipment	\$12,000	\$0	\$0	\$0	\$12,000
NO2 analyzer	\$15,000	\$0	\$0	\$0	\$15,000
O3 analyzer	\$11,000	\$0	\$0	\$0	\$11,000
Calibrator	\$11,000	\$0	\$0	\$0	\$11,000
Zero air unit	\$11,000	\$0	\$0	\$0	\$11,000
PM2.5 BAM unit	\$25,000	\$0	\$0	\$0	\$25,000
Data Logger	\$11,000	\$0	\$0	\$0	\$11,000
Annual recurring costs					
VOC analysis	\$15,000	\$15,450	\$15,914	\$16,391	\$62,754
VOC supplies	\$12,000	\$12,360	\$12,731	\$13,113	\$50,204
Carbonyl supplies	\$2,000	\$2,060	\$2,122	\$2,185	\$8,367
BAM supplies	\$150	\$155	\$159	\$164	\$628
Electricity	\$3,000	\$3,090	\$3,183	\$3,278	\$12,551
WiFi	\$600	\$618	\$637	\$656	\$2,510
Total	\$197,750	\$33,733	\$34,744	\$35,787	\$302,014

MassDEP appreciates this federal funding allocation that will support an important priority for Massachusetts. Please contact me or Steve McCurdy at (617) 292-5779 should you need anything further to document this MPG award. – Ann

Ann Lowery
Assistant Commissioner, Bureau of Planning and Evaluation
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617 / 292-5846